

POSITION 1257 REGION

1257

NORMAL CAATAGAA[↓]AAACTT (SEQ ID NO: 50)MUTANT CAATAGGAA[↓]AAACTT (SEQ ID NO: 51)

POSITION 3905 REGION

3905

NORMAL ATTTAGAA[↓]AA[↓]AA[↓]ACTT (SEQ ID NO: 52)MUTANT ATTTAGGAG[↓]AA[↓]CC[↓]CTT (SEQ ID NO: 53)

FIG. 1

SeVcDNA EI SEQUENCES

	<u>E</u>		<u>I</u>	
NP:	AGTAAG	AAAAA	CTT	(SEQ ID NO:54)
P:	ATTAAG	AAAAA	CTT	(SEQ ID NO:55)
M:	AATAAG	AAAAA	CTT	(SEQ ID NO:56)
F:	AATAAG	AAAAA	CTT	(SEQ ID NO:56)
HN:	ATTAAG	AAAAA	CTT	(SEQ ID NO:55)
L:	AGTAAG	AAAAA	CTT	(SEQ ID NO:54)

1257:CAATAG	AAAAA	CTT		(SEQ ID NO:50)
3905:ATTTAG	AAAAAA	CTT		(SEQ ID NO:52)

hCFTR HYPERMUTABLE SEQUENCES

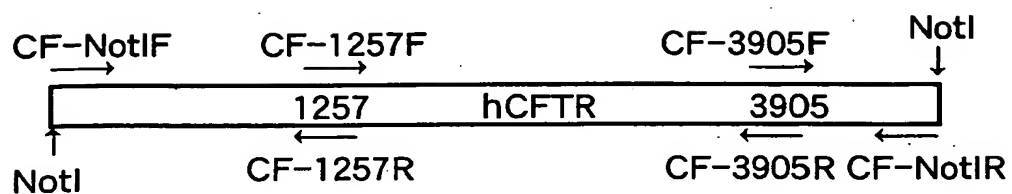
FIG. 2

		Arg	Lys	Thr		
1257	:	CAAT	AGA	AAA	ACT	T (SEQ ID NO: 50)
			↓	↓	↓	
1257m:	:	CAAT	AGG	AAG	ACG	T (SEQ ID NO: 57)
			↓	↓	↓	
			1257			

		Arg	Lys	Asn		
3905	:	ATTT	AGA	AAA	AAC	TT (SEQ ID NO: 52)
			↓	↓	↓	
3905m:	:	ATTT	AGG	AAG	AAT	TT (SEQ ID NO: 58)
			↓	↓	↓	
			3905			

FIG. 3

PRIMER DESIGN



CF-NotIF: 5' tcacgcggccgccaaagttcaatg (SEQ ID NO: 24)

CF-NotIR: 5' atctgcggccgcgatgaactttca (SEQ ID NO: 25)

CF-1257F: 5' taacaataggaagacctctaatgg (SEQ ID NO: 26)

CF-1257R: 5' ccattagaggctcttctattgtta (SEQ ID NO: 27)

CF-3905F: 5' aacatttaggaagaatttgatcc (SEQ ID NO: 28)

CF-3905R: 5' ggatccaaattcttctctaaatgtt (SEQ ID NO: 29)

FIG. 4

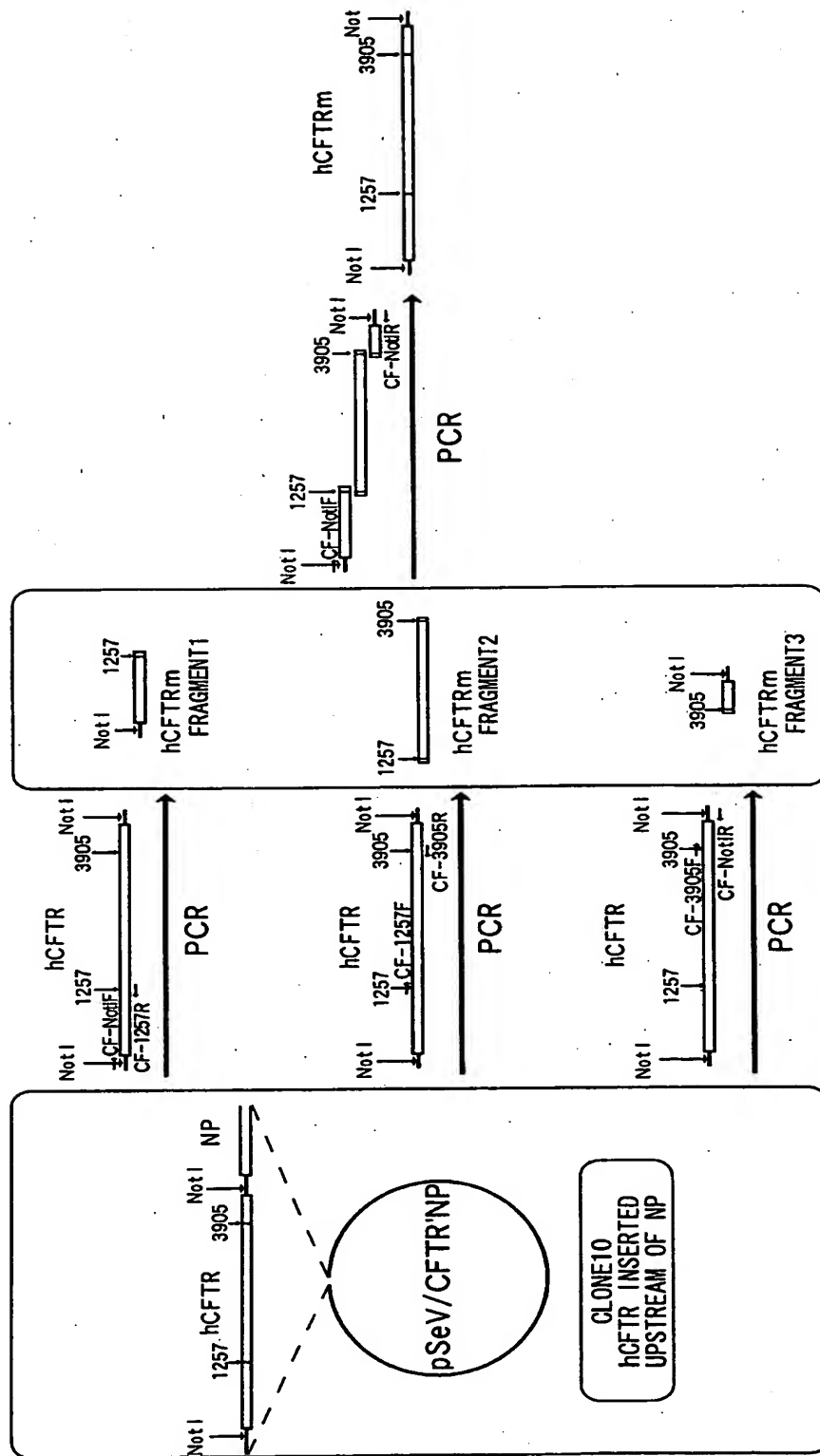


FIG. 5

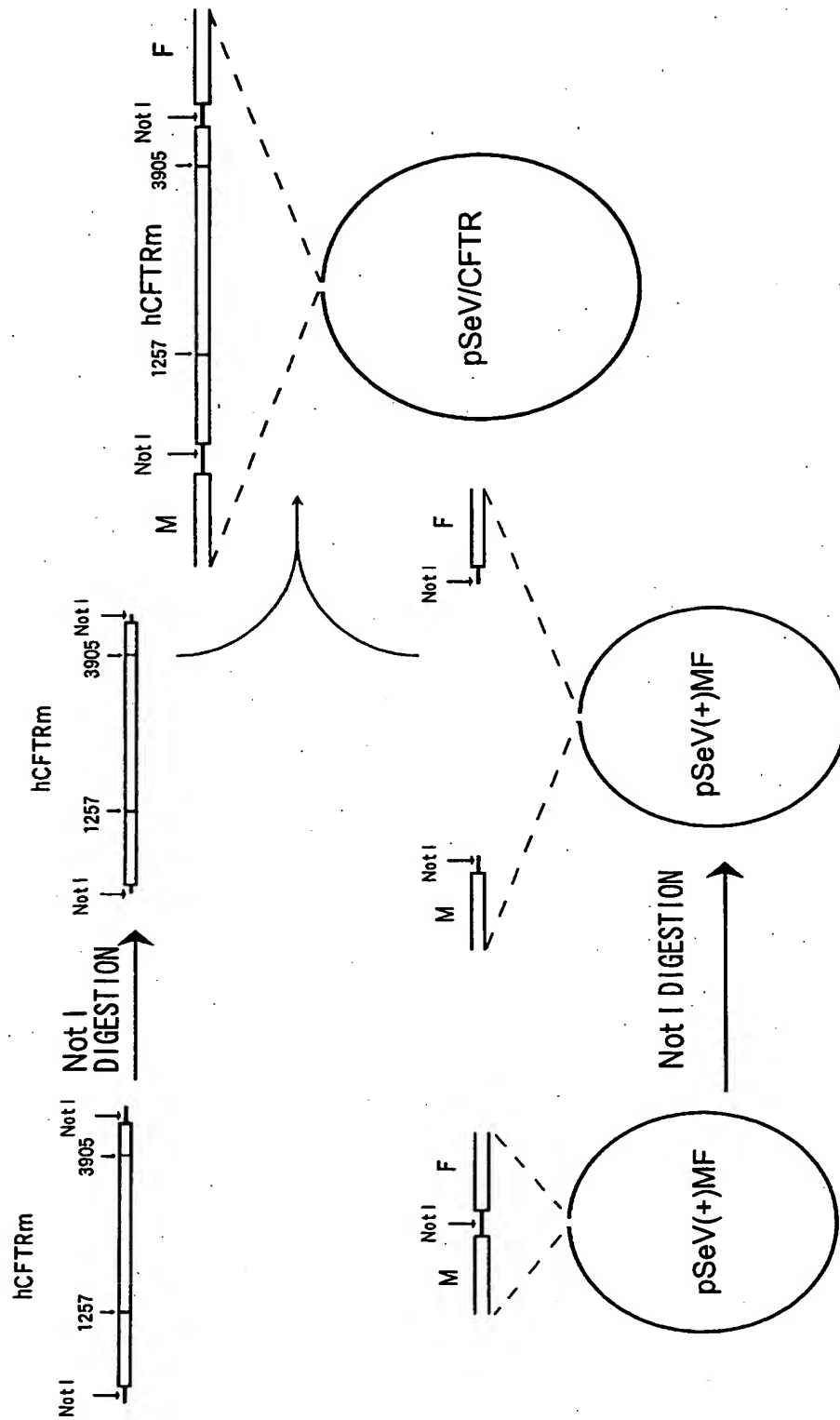


FIG. 6

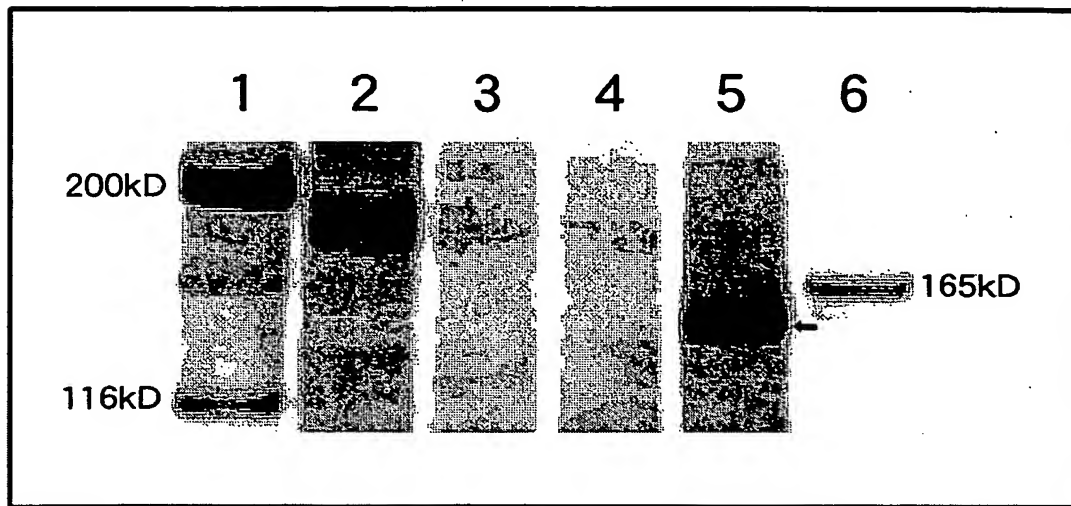


FIG. 7

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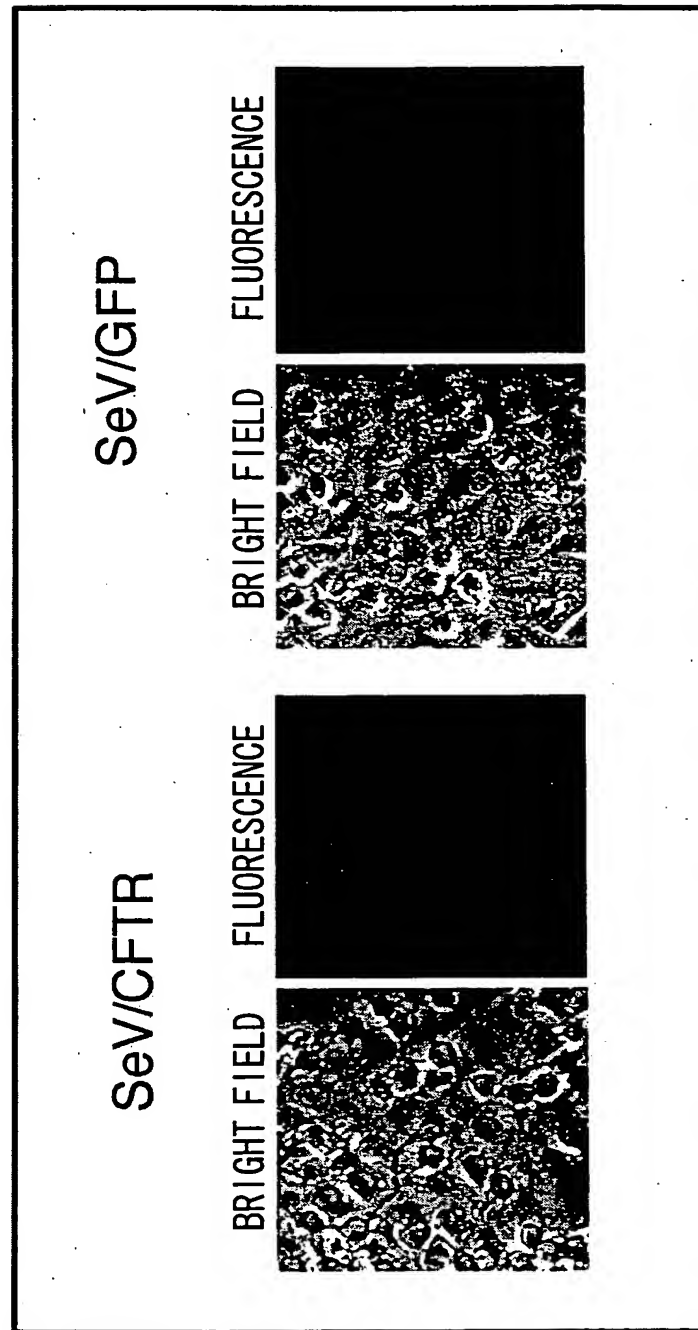


FIG. 8